

(1382-1260/ 784-658)



.

II II

•

الصفحة

1	:
5	
	:
18	1.1
19	2.1
29	3.1
30	4.1
48	5.1
	:
50	1.2
53	2.2
67	3.2
80	4.2
82	5.2
85	6.2
87	7.2
94	8.2

96	9.2
101	1.3
113	2.3
117	3.3
118	4.3
120	5.3
121	6.3
123	7.3
124	8.3
129	9.3
137	10.3
147	1.4
149	2.4
162	3.4
169	4.4
172	5.4
188	
190	

56	1
58	2
60	3
62	4
70	5
73	6
77	7
78	8
79	9
81	10
81	11
83	12
84	13
86	14
90	15
91	16
93	17
169	18
170	19
172	20
172	21

(1382-1260 / 784-658)

2008

(1382-1260/ 784-658)

Abstract Education and Teaching in Bilad al-Sham During the 1382) Bahri Mamluk Dynasty (658-784 AH/1260

Montaser Mahmoud Al-Shatnawi M'utah university, 2008

The study aims to uncover the Education and Teaching Movement in Bilad al-Sham during the age of the Mamluk Bahri dynasty (658-784 AH/1260–1382) which witnessed a significant development in its theoretical and applied fields. The study gains important due to the lack of specialized studies that dealt with education in Bilad al-Sham. The study shoeds light on the important aims and the changes that took place over the educational process at different periods of the age.

The study is divided into the introduction four chapters, and a conclusion.

Chapter I deals with the educational thought, in Bilad al-Sham by introducing the most important thinkers of the age like Ibn Jama'ah, al-Subki and Al-Dhahabi

Chapter II deals with the Islamic and non-Islamic centres of education, during the age of the Bahri Mamlouk Dynasty. This chapter provides necessary information about the founder's main activities and the place of important centers of education such as mosques, schools, hospitals, Zawaya, educational ...etc.

Chapter III focuses on the subjects, nature and dimensions of education and teaching in the Bahri Mamluk Dynasty in all fields specially the Qur'an, Hadith, Arabic Language History, Geography, Philosophy, Logic, Medicine, Pharmacy and Engineering The chapter introduces the names of the most important scientists and thinkers and their contributions.

The last chapter is devoted to the administration of the educational institutions of the age. This includes posts, financial support of those centers and institutions, salaries, teaching -strategies and their stages.

The conclusion sums up all the findings of the chapters discussed above.

· /

. 1258/ 656

1250/ 648

1260/ 658

1

.1 (1217/ 614)

1184/ 580 . 1182/ 578

.2 (1287/ 684)

.3 (1332/ 733)

(1362 / 764) .4

.5 **(1369/ 771)**

.6 (1372/ 774)

.7 **(1418 / 821)**

.8 (**1448/ 852**)

.9 **(1520/ 927)**

.10 (**1521/ 928)**

.

(1347-1260/ 748 -658)

.

. (1)

. (2) . 730

1 1986 - - (¹)

. : 32 803 -777 1986 . . (²)

.35-33 :

635 - . 333 (1) (2) (3) 635/ 14 .(643-634/ 23-13)

. 636 (1)

: .. 523 65

.1998 (2)

: 433 -428 409 -406

.36- 35

.63 1 1989 -

.

(1) . (2)_{II} .(3) (4) .(5) .(6) (¹) .73 (²) 1957 281 (³) 2002 678 (⁴) 78 10-7 15 1988

87 -84 (1176 : 1980 (⁶) .83 7

-1105/ 571-499)

(⁵)

-643/ 35-23)
. (655
657 / 37
(2)

. (3)

/ 132 -41 . 750 -661

.

(657/37)

(¹)

: 136 .

· (²)

.292-291 118 .87 (³)

.166 (4)

.(1) (2) (3) (5) (4) .(6) (¹) 166 1 1989 (²) 304 - 303 3 1968 224 (³) 13 2 1987 (⁴) . 28 2 (⁵) .24

(⁶) .337 -336 1982

2

.() (2). (3) ⁽⁴⁾ (1106/ 500) (¹) .102 (²) .340 -337 (³) .169 -166 (⁴) 200 3 1920

(1)

(1250-1173/ 648-669)

2002

64

(1)

. (2) - 521) (3) - 1146/ 570 541) (1146 1127/

-1146/ 570 - 541) (1146-1127/ 541 (1174

1 (¹)

: 186 1979

.

1345 -746 / 463 -132) (²) : 184 -174 1983

· (3)3

. : .38- 37

(4)

-10 - () : 605 2001 12

. 003 2001 12

(1)_{II}
(2)

. (4)

. (5)

1174/ 570
(6)
(7)

39 1971 :

.605 (2) 35 (3) (4)

36 -34 1988

.295 (6)

. (1) .

. 1494/ 900

. (3)

•

(1)

. : 35 1981

(²)
2 1989 -

. : 630

: (³)

. 187-175

.⁽¹⁾(1226-1218/ 624-615) (3) (2) (4) (5) . (6)**.**ı . 1226 / 624 1228/ 626 (¹) 2680 6 1984 (²) .374 9 1983 (³) .374 (⁴) .37 6 (⁵) (1259-1193/ 657-589) 391 -390 1988 (⁶) .374 9

(1) .

1229/ 624

(2)

(3) . (4)

 $(^1)$

: 39-38 5 1977

-88 2004 **(1516-622/ 923-1)**

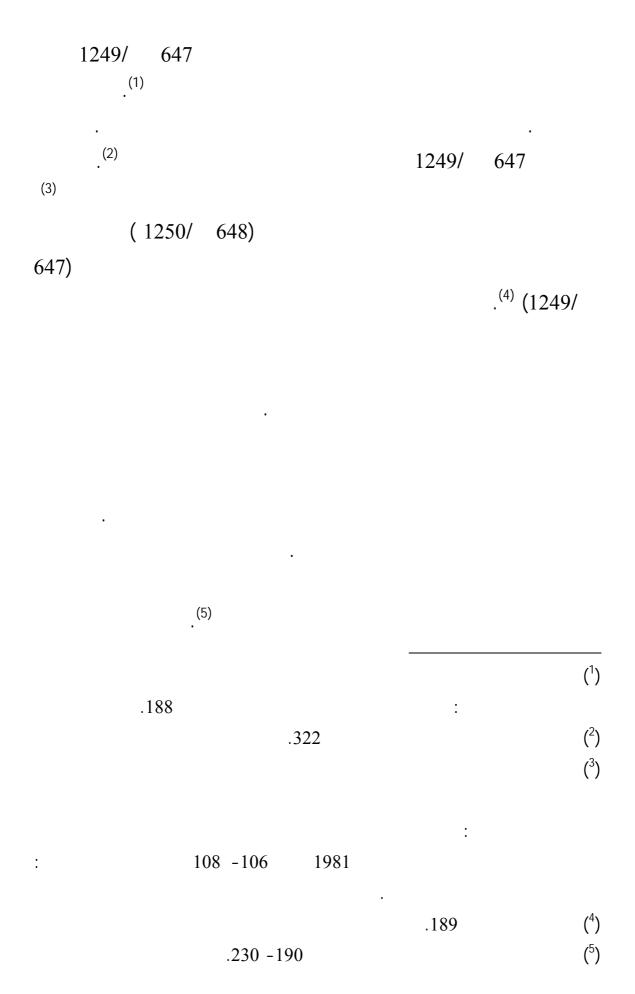
. : 89 40-39 5 (²)

.89

 $\binom{3}{}$

3 1989 . : 808

.90 6 (4)



.(1) (1289/ 658)

.

. : 203 1972 .86 (²)

17

1.1

.(1)

:

. (2) . (3)

. (4) .

(5) .

2 . (1) 115

3 . : 159

2005 (2)

. : 13 .230 2 (3)

(4)

. : 75 1 1922 . 4 1 (5)

14 1982 (6)

. :

2.1

: (1)(869/ 256) :

(2)

. (3)

(869-817/ 256-202) (1)

35-34 1985

: (2)

:

.52 1988 . 41 (3) .(1)

(2)

(3) . (4)

:

. (5)

. (6) ·

(1)

: .255-253 .

.265 (4) .265 (5)

.267 (6)

.(1)

:	⁽³⁾ (1012/ 403)	.(2)	:
. (4)				
()		. (5)	
(1012	025/ 402 224)	.267	.267	(1 (2 (2)
	-935/ 403-324) 967-963/ 357-3	352)		(3)

296 .

.36

.293 (5)

(4)

· (1)

. (2) ·

· ·

•

. (4)

: (1030/ 421) :

.293 (1)

.317-316 (2)

.308 (3)

.322-313 (4)

.308 (5)

; ;

; (1)

:

п

.(2)"

·

. (3)

· (4)

. : 96 1966

. : 96 1966 .72 (2) .128 (3)

.59-55 (4)

```
( 1070/ 463 ) <sup>(1)</sup>
                       (3)
                                                      u(2)
                                               .(4)
                                                  .(5)
                                                    .1
                                                    .2
                       .(6)
                                                    .3
                                                          (1)
                                                972/ 362
                           (1372/ 774)
         104
              11 1987
                (970/ 360 )
                                                          (2)
               10 2002
.10439
                                                          (3)
                         53 1 1998
                                                          (4)
                                   .133
                                             1
                                                          (5)
                                .213-207 1
                                                          (6)
```

.515-501 1 .

.(1) (2)" .(3) .1 .2 (4) .3 (1111/ 505) ⁽⁵⁾

.512 1 (1) .788 2 (2)

.788 2 (3) .790-788 2 (4)

1058/ 450 (5)

.175 12 :

.(2)

.(3)"

.(4)

(1) 1

13 1 .9

(²) (³) (⁴) .11 1

.17-16 1

.(1)

.(2)"

.(3)

.(4)

(¹) .16 1

47 1985

(³)
(⁴) .48

.50

.(1)

.(2)

.(3)

.(4)

(1223/ 620)

.(6) .(5)"

.(7)

.53-52

(1) (2) (3) (4) .58-54

.72-71

.76-75

(⁵) 67-59 1981

(⁶) .70-66

.77-71

.(2)

3.1

(¹)
(²) .84-79

.103-100

:

· · ·

.

: 4.1

: (1327/ 728).⁽¹⁾ :

" :

. (2)u

. 1262/ 661

.335 13 : 1327/ 728 1961 . 14 (2)

. : 212

.1 .(1) .2 (2) .(3) .3 .(4) .(5) .1 .(6) .2 (1) 1961 . 22 448-447 (²) 24 (³) 1961 19 99 (⁴) .19 10 (⁵) .73-69 1 (⁶) 110-105 10

.(1) .3 .(2) .1 .2 .3 .(3) .4 .1 .(4) .(5) (¹)
(²) .14-12 1 .354 (³) 486 10 (⁴) 102-95 20 .486 10

19

175

(⁵)

2

.43-42

.2

· (1)

. (2)

. (3)

. (4) .

. (5)

.(6)(1332/ 733) :

.429-428 15 (1)

.88 28 (²)

.95-89 28 $(^3)$

.16-13 187-186 28 (4)

9-8 . . . 3 (5)

9-8 . . 3

(⁶)

733 639

:

163 14

. : 367 3 1966

-1

.(2)

.(3)

.(4)

.(5)

.(6)

(1)

5

(²) (³) (⁴) (⁵) (⁶) .67

.69 .70

.(2) .(3) .(4)

-2

.(5)

.(6)

.(7) . (8)

(¹)
(²)
(³)
(⁴)
(⁵)
(°)
(°)
(°) .73 .74 .77 .83

.85 .90-87 .88

.(2) -3

:

.1 (3)

.(4)

.2

.(5)

.94

(1) (2) (3) (4) (5) .164-161 16-15 .20-16

.54-47

: ⁽¹⁾(1347/ 748) .1 .(2) .2 (3) (¹) (1274/ 673) : (1347/ 748) (1369 / 771) 216 5

(1347/ 748)

.148

147-146

 $(^3)$

: .3 .(1)

: .4

.(2)

. (3)

. (4) .

. (5)

.148 (1)

.148 (¹) .147-146 (²)

147-146 (3)

: 82-78 1988

. (⁴)

. : 8-7 1347

.4 (5)

(1)"

.(2)"

.(3)"

.(4)

.(5)" .(6)

.(7)

.(8) .5

(1) (2) (3) (4) (5) (6) (7) (8) .5 .6

.16-15 .16

.17-16

. 17

(.(1) .(1369/ 771) .(2) .(3)" .(4)

. 24-19

.(5)

(¹)
(²)

16-15 1993 (³) .106

(⁴)
(⁵) .107-106

.(1) .(2) (1405/ 808)

.(3) .(4)

.(5)

.(6)

.68-67

(¹)
(²) .71

(³)

380 1971

(⁴) .381-380

(⁵) .381-380

(⁶) .406-405

(.(1) .(2) .1 .2 .(3) .3 .(4) .(5) (¹) .406 67 1984 (³) .68

.431-430

.431

(⁴)
(⁵)

.(2)

.(3)

.(4)

.(5)

.455 (1) (2) (3) (4) (5)

.431-403

.431-425

.431

.532-531

.(2)

.(3)

.(4)

.(5)

(¹) (²) (³) 531 .533-532

.534 (4)

40-39 1985 2000 (5)

(1233/ 631)

.(1)

.(2)

.(3)

.(4)

.(5)

295 (1)

(2) .295

152 1

(3)

(4) .29-24 1

.42 (5) . (1)

. .1 . .2

.3

. (2)

(3) ·

.

.70 36 14 (1)

. : 43 1986

(3)

203 1988

(1294/ 694): -1 .(1) :(1325/ 726) -2 () .(2) (1326/ 727) -3 .(3) :(1348/ 749) -4 (1) 342 13 45 5 . .126 14 (2) (3) 74 4 .132-131 14

(1)

:(1367/ 769) -5

: **5.1** .1

.

·

.2

6 420 3 (1)

. 164-163

. : 236 1 1958

الفصل الثاني المراكز التعليمية في بلاد الشام في دولة المماليك البحرية

1.2 (1369/ 771) .(1)₁₁ .(2) .(3)

. 101 (¹) - (²) : 20 1 1989 -

20 1 1707

111 1980 :

.21 (3)

(1) (2)

.(3)

.608

(1) (2) (3) (4) (5) .108-101 .40

.101

68 1995

· (1)

. (2)

. (3)

. (4) .

(1329/ 729) (¹)

171 170 1967

.21 :

1984 83 (²)

: 153

1988 . : 163 -162

.45 (3)

7 83 (⁴)

.(1) .(2)" .(3) 2.2 .(4)_{II} .(5) . (1) 225 1983 843 (²) . 174 (³) .251 (⁴)

.(1) .(2) .(3) .(4) .(5) .1 (¹) 27-17 1990 .108 (²) .331 23 2

(³) 289 1 1989 (869/ 256) (⁴) 45 1980 (⁵) 1988 235-234

.(1) .2

.(2)

.(3)

. (1098/ 492)

.289

(¹) (²) (³) 132 132 5

(1228/ 626

(648-570) (570-521) (1)

> (1) .(2)

•		
	-	.1
	565	.1 .2
	598	.3
	606	.4
		5 .6
	622	.6
	-	.7
	631	.8
	632	.9
	-	.10

(1)

57 1984 70

(1570/ 978)

(²) 341-323 2 1990

.(1) (1226/ 624) .(2) (1285/ 684) (1) 112-103 1980 (²) 170-167 1999 215-213 1982 (³) (1285/ 684)

93-38 1953

(1175/ 571) .(1) (1285/ 684) .(2) (2) (3) 669 .1 701 .2 706 .3 717 .4

> . : 321 . 126-92

> > .341-321 2 (3)

(²)

	718		.5
-	721		.6
	734		.7
	736		.8
	748		.9
-	-	-	.10
		(2)	

(1485/ 890) .⁽²⁾

60 -59 6 1971 . (¹)

. 225-213 :

. 93-38 (2)

(1485/ 890) (³)

105 61 1984

. :

(3)

(3)

700 .1 702 .2 - 707 .3 723 .4 727 .5 728 .6 7 /8 7 /8 7 /8 7 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15 780 .16 783 .17			
702 .2 - 707 .3 723 .4 727 .5 728 .6 7 /8 7 /8 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15			
- 707 .3 723 .4 727 .5 728 .6 7 728 .6 7 / 8 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15		700	.1
- 707 .3 723 .4 727 .5 728 .6 7 728 .6 7 / 8 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15			
723 .4 727 .5 728 .6 7 /8 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15		702	.2
723 .4 727 .5 728 .6 7 /8 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15		- 707	.3
727 .5 728 .6 7 7 8 751 .9 768 .10 11 770 .11 771 .12 773 .13 774 .14 15 780 .16			
728 .6 7 8 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15 780 .16			
- 751 .9 - 768 .10 - 770 .11 - 771 .12 - 773 .13 - 774 .14 .15			
- 751 .9 - 768 .10 - 770 .11 - 771 .12 - 773 .13 - 774 .14 .15			
- 751 .9 768 .10 770 .11 771 .12 773 .13 774 .14 .15		-	.7
768 .10 770 .11 771 .12 773 .13 774 .14 .15	/	-	.8
768 .10 770 .11 771 .12 773 .13 774 .14 .15			
770 .11 771 .12 773 .13 774 .14 .15			
771 .12 773 .13 774 .14 .15			
773 .13 774 .14 .15			
774 .14 .15 .15 .16		771	.12
.15 780 .16		773	.13
780 .16		774	.14
			.15
		780	16
			.17

 $\binom{1}{2}$

136-126 1992

-658

: 290-289 2002 **784**

.(3)

.(2)

:(4)

(1173/659) $(^1)$

695 (1316/ 716)

(1479/ 884) : (1342/ 743)

-146 1996 : .164

.290 (2)

(4)

	-			- (1)	.1
		693			
	- 71.	5		-	
	-	1.5			
	_	15		-	
		735		-	
		736		_	
		/30		-	
		-		-	
	- 672			_ (2	.2
	-	723		-	
		-		-	
		726		_	
		,_0			
()				-	
		-			
		55-52 6			$\binom{1}{}$
432-418	2001				
				:	
202-201	1985				
				:	
	:	22-16	1993	144	2
/ 783-570					(²)
-213 1981				1381 - 117	
		:		22	23

664	_	.(1) .3
664	_	
727	-	

(2)

•

: : 27-26 1976

1983

. : 261-259

/ **784-658** (2)

13-12 1997 **1382-1260**

.(1) (705/ 86) (1217/ 614) (2) (1348/ 749) .(3) (4) .1 .(5) . (¹) .286-285 2 (²) 1981 212-211 (³) (1348/ 749)

227-214 (⁴) -15 147-146 .22

214 (5)

95

: .2
(2)
(1)
(4)
(3)
.3
.3
.(5)
.1.
.4

: .5

(6)

81 (¹)

.147-146 306 2 (²)

216 (3)

.237-216 (4)

248-246 (5)

.316-315 2 83-82 (⁶)

.(1)

: .6

.(2)

(1187/ 583)

.(3)

(¹) (²) (³) .66 .318-317 2 85-84

.35-34

.(1)

. (2)

.⁽³⁾ (1275/ 674)

.

3.2

· (4)

" 34 (¹)

598-597 2 1989

(²)

. : 40-34 2 1983 40-39 (³)

(⁴)

(1441/ 845) : 45 2 (.)

(1092/ 485)
(1064/ 457)
(1009/ 400)

.

. (4)

. (5)

.131-128 2 (1)

314-313 4 (2)

.363 2 (3)

.340-313 4 (4)

.278-270 2 (5)

.(1)

.⁽²⁾ (1173-1146/ 569-541)

.(3)

.(4) (5)

(¹) (²) .28-27

.70-38 6

(³) 4-3 1980

(⁴) .131-92

(5)

(1)

582-570

592-582

(¹) 131-92

615-592 (624-615)

(635-625)

(643-635)

-

-643 - 647

(658-648)

(5)

.

595

(6)

601

613 594 -

--655

617 616 /

--646

.126-96 (1)

-					
-					
622					
620					
-					
596					
-					
622					
654					
-					
649					
589					
		(0	5)		
		_	_		
			•		
				.(1)	
	(2)	•		•	
	. (2)				
	.(3)				
			.47-34		(1)
•	238-231	2	60 13		(2)
	125		78	2	$(^{3})$
	_				
		:		166-165	1996
			8-161		

.(1) .1 .(2) .1 .2 .3 .(3) .4 .(4))) (1325/726 . 1 .2 (¹) .531 (²) -260 117 -114 1 .264 (³) .259-199 (⁴) . 266-265

.(2) .5

: (7)

(1325/ 726)

14-11 2 1947

.94-3 2 499-96 1 (2)

(7)

: (1)		
727		
770		
773		
773		
737		
_		

:

.376-342 124-109 (¹)

(8)

(1)

48-33 (¹)

:(9)

: (9)

657		.(1)	•
659			
765			
697		(2)	
697			
707			
709			
715			
726			
733			
749			
760			
766			
775			

779

(¹) .236-224

.18 434-418 .(1357/ 759) .⁽¹⁾

.(1319/ 719) . . . (1258/ 656)

.(2) .

: 4.2

· (3)

:(10)

266 2 (¹)

.165-164 .128-127 6 (²)

28 (3)

.69 6 ()

(10)

:(1) 400 .1 701 .2 735 .3

.(11) (11) ·(2)

446 .1 728 .2 738 .3

.(3)

(1374/776)

(1) .14-7 1

(²) .95-91 1

(³) 177 1989

.⁽¹⁾ .⁽²⁾ (1359/ 761)

.⁽³⁾(1363/ 765)

_ _ _

: **5.2**

. (4) .

:(12)

. 175 .45 2 (¹)

.247-236 (3)

.28 (4)

(12)

74	1	569	.1
85	1	600	.2
61	1	620	.3
15	1	628	.4
36	1	629	.5
73	1	641	.6
60	1	656	.7
72	1		.8
67	1		.9

:(13)

(13)

54	1	686	.1
84	1	696	.2
40	1	600	2
49	1	698	.3
43	1	723	.4
15	1	, 23	
45	1		.5
56	1		.6
71	1		.7

.⁽²⁾ 1267/ 666

(¹) (²) .122

.45-44

: 6.2

(1)

(1154/ 549)

.(1164/ 560)

⁽²⁾ (1187/ 583)

: (14)

() : (¹) ()

4 1981 :

·

. 162 -160 157 1 (2)

(14)

680			.1	(1)
-	(745)		.2	
-			.3	
-			.4	
_		.1		(2)
	(698)			
		.2		
	.(742)		
755				(3)
	(745)			(4)
719				
				(5)
	(714)			(5)

.(6) (¹) 296 2 .97 79 6 2 (²)
(³)
(⁴)
(⁵)
(⁶) .203 .160 1 .266 2 .162-161 6 .9 5

.1 .(1224/ 621) .(1) .(2) 686) .2 .(3) (1287/ .3 .(4) 1265/ 664 :(7.2 .(5) . (¹) . 100 2 (²) .102-101 2 . 104 2 2 .106 (⁵) -648

87

1517-1250 / 923

118

: :

.

:

.(1)

 : (3)
 .(2)

 (1165/ 561)
 .1

 .(1253/ 651)
 : .2

 .(1273/ 672)
 : .3

 .(1388/ 791)
 : .4

 .
 .5

.(1282/ 578) : .6 .(877/ 264) : .7

.(1319/ 719) : .8

. 1213/ 610 : .9

. 1213/ 010

.298 (¹) . 305 (²)

281 1 : (3)

.119 313-311

: .1

.(1)

: .2

.(2)

.3

.(3)

(4)

.75

(1) (2) (3) (4) .25

77

.61

(1) (2) .(3) .(15) (15) (4) 587 613 703 745 751 753 761 770

248-247 (1) .173-153 2 (2) .122-121 (3) .48-34 (4) :(16)

(16)

663 690 (661)) (734 (2) .(3) 666 668 775

> (¹) (²) .257-255

.202

(³) .163-15

- - .(1)

- (672)

- -)

(698

719

.(2)

675

: (4)

. (5)

•

-1250 923-648 (¹) : 143 1995 1517

202 (2)

 $\binom{3}{}$

191

1979

.152-150 2 196-195 (4)

.96 (5)

:(17) **(17)**

		666
432	2	
43		681
37 2		793
42		763

1280/ 679 .⁽¹⁾

(2) . (3)

 1272/ 671
 .1

 . 1278/ 677
 .2

. 1278/ 677 .23 .4

.79 2 (¹)

.194-191 (2)

.131-130 129-126 2 (3)

. (1)

: ⁽²⁾ .

1189/ 585 .2

.⁽³⁾(1273/ 672)

: **8.2**

•

.98-93

.(4) (

.47 34 2 (²) .228 (³)

.213 (4)

. (1)

· . (2)

.

(Yeshiva)

(¹)

: 193-192 1992

141 56 52 2 (²)
.201

(3)

: 172-168 1992

.(1) 9.2

.(2)

. 1

.2

(¹)
(²) .173-172

.164-160

.(1)

.(2)

.(3)

.(4)

.(5)

.615

.277-276

(1) (2) (3) (4) (5) 374 188-187 6

.277

.190 6

.(1) .1 .2 .3 .1 .2 .(3) .(4) . (5) (¹) 287 2001 (²) .188 6 $(^{3})$.188-187 (⁴) .390-377 (⁵) .188 6

.(1)

.(2)

.1 1157/ 552

.2

.3

.4 . 451 .(3) .5

1334/ 735

(¹)
(²) 188-187 6

.187 6

(³) .175-174

(1239/ 637) . (1)

.

.176 (¹)

(1260/658) (1218/ 656) 615) (1258/ 658) . (1260/ **(**₁**)** 1.3 .(2) (¹)
(²) .306 . 5

```
.(2)
                                       .<sup>(3)</sup> ( 1341/ 742 )
                                         .<sup>(4)</sup> ( 1374/ 776 )
    (1293/ 693 )
                                                                                 .1
                                           (<sub>5</sub>)
             (1304/ 704)
                                                                                 .2
                                                                    .(6)
           ·(7)
                                 (1305/ 705)
                                                                                 .3
                     (1313/713)
                                                                                 .4
                                                                      .(8)
                                                                                     (1)
                     .338
                                                                                     (<sup>2</sup>)
                                  )
)
2
                                                                        (1560/
                                                                                   968
          1985
                                                                                  39
                                                                                     (^3)
                                         .432-431
                                                         3
                                                                                     (<sup>4</sup>)
                                              .340
                                                       2
                                                                                     (<sup>5</sup>)
                                               124
                                                                                     (<sup>6</sup>)
                                              .173
                                                         2
                                                                                     <sup>(7</sup>)
                                               .14
                                                         4
                                                                                     (8)
                                            .183 1
```

(₁**)**

-1

```
(1323/ 723 )
                                                                      .5
                                                          ·(1)
·(2)
                    (1368/ 770)
                                                                      .6
        (1374/776)
                                                                      .7
                                                         ·(3)
                                 <sup>(4)</sup> ( 1305/ 705 )
        (<sub>5</sub>)
                                     (1331/732)
                                      (1315/715)
                                              ·(<sub>6</sub>)
                             . (7)
                                                      (1324/725)
       (1337/ 738)
                                                (8)
            .(<sub>9</sub>)
                                                      (1303/ 703)
                                                                          (<sup>1</sup>)
                                           2
                                 .173
                                                                          (<sup>2</sup>)
                                             .465
                                                       1
                                                                          (^3)
                                              .34
                                                        2
                                                                         (<sup>4</sup>)
                                   .150
                                              2
                                                                         (<sup>5</sup>)
                                               .75
                                                       3
                                                                         (<sup>6</sup>)
                                263-262
                                           1 1974
                                                                        (<sup>7</sup>)
                                               .75
                                                       2
                                                                         (8)
                                    65
                                            1
                                                                          (<sup>9</sup>)
                                                70
                                                       4
```

```
(1306/ 706)
                                                                  ·(1)
/ 661 )
(1342/ 743)
                                                                (1262
                                                              \binom{(2)}{2}.
/ 618 )
                                                                (1221
                                                                 ·(3)
                  (1273/ 672)
                             .<sup>(4)</sup>(
                                                                     )
              (5)
                             (1327/728)
                   (1354 755)
                                                                ·(<sub>6</sub>)
                  (<sub>7</sub>)
                                                                       (¹)
-689)
                                                 ( 1298-1290/ 698
                                                55 6 1989
                                                                       \binom{2}{}
                                       398
                                               3
20 1980
                                                                291
                                                                       (^3)
                                       .10 2
                                                                       (<sup>4</sup>)
2
    1984
                                                                10
                                                                       (<sup>5</sup>)
                                             .746
                                                        2
                                                                       (<sup>6</sup>)
                                       34
     .218 1
                                              1
                                                                       <sup>(7</sup>)
                                       .45
                                             2
```

·(1) (1261/ 660) .(2) / 687) ·(3) / 692) (1288 .(4) (1327/ 728) (1292 (₅) $\binom{6}{6}$ (1372/ 774) ·(7) (1294/ 694) .(8) (1295/ 695) (¹) 1992 158-157 (²) .339-338 1 $(^3)$.747-743 3 217 2 (⁴) .313 5 (⁵) .59-58 1 (⁶) .99-98 1 ⁷) .84-82 2 (8) .291-290 3 183 1

```
.(1)
.(2)
                                 (1303/ 703 )
                                                                                   · (<sub>3</sub>)
                                             .(4)
                                    ):
                                                                     .(5) (
                    (1224/ 621)
                                                     ·(6)
                                                                                ·(<sub>7</sub>)
                                                                                       (
                                          .(8)
                                                                                           (<sup>1</sup>)
                                                    .323 3
                                                                                           (<sup>2</sup>)
        15 1
                                                  313 5
                                                                                           (<sup>3</sup>)
                                                   .22 2
                                                                                           (<sup>4</sup>)
                                                 .126 3
            (1546/ 953)
                                                                                           (<sup>5</sup>)
                                                                                  1992
                                                                     98-97
                                                                                           (<sup>6</sup>)
                                           .172-171 3
                                                                                           (<sup>7</sup>)
                                             .144
                                                         1
                                                                                           (8)
                                             .115
                                                           2
```

```
: (1277/ 676)
                                                              ·(1)
                     (1281/680)
             ·(2)
·(3)
             (1343/ 744)
                                                                ·(4)
            ( 1344/ 745 )
                                           ·(5)
     748 )
                                   .(6)
                                                                  (1347
               ·(7)
                                                       (1359/ 761)
              (1392/ 795)
               .(8)
                                                                       (<sup>1</sup>)
4
                                                           174-170
                                                                       (^{2})
 .111-110 1
                                 189-188
                                                                       (<sup>3</sup>)
                                 .429-428
                                              2
                                                                       (<sup>4</sup>)
         (1392/ 795)
       439-436 2 .
                                                                       (<sup>5</sup>)
                                        .41 2
                                                                       (<sup>6</sup>)
                                        .106-100
                                                        9
                                                                       <sup>7</sup>)
                                           .36-35
                                                        1
                                                                       (8)
                                        .18 4
```

II II

(1)
- - (2) (1180/ 576)

(1338/ 739)
(4)
(1334/ 735)

(1303/ 703) " . (s)

. (6)" .

:

.314 12 (¹) .101 1 (²)

-321 3 302-301 2 (3)

.323

.12 3 (4)

.393 2 (5)

(1497/ 903) (⁶)

.1 .(1) .2 (2) (1294/ 694) (1294/ 694) .3 ·(3) ·(4) .(5) ·(6) (¹) .195-194 3 (²) .284-283 3 (³) .287-285 3 (⁴) 966) (1558/ 294 1983 (⁵) .163 2

.425

566

2

(⁶)

```
(1308/ 708)
                                                       .1
                                               ·(1)
                                                        .2
                                       (1333/ 734)
                               .<sup>(2)</sup>( 1321/ 721)
                                                       .3
             ·(3)
                                      :(1372/ 774)
                                                        .4
                                        ·(4)
    (1398/ 801)
                                                        .5
                  ·(5)
                                                         - 1
                                          (1263/662)
.(6)
```

.175 3 (1)

.265 3 (²) .7 1 (³)

.182 2 (4)

.219 2 (5)

. 59-58 3 (6)

```
(1337/ 738)
                                                                               - 2
                                            ·(1)
                :( 1348/ 749 )
                                                                               - 3
                                                                    ·(2)
                         (1348/ 749)
                                                                               - 4
                                                                  ·(3)
                                                                               - 5
                                                 ·(4)
                                                                               - 6
                                                     . (<sub>5</sub>)
       (1370/ 772)
                                                                               - 7
·(6)
                                                                               .1
                                                   · (<sub>7</sub>)
                                                                                 (¹)
                               .388-387
                                                 10
                                                                                 (<sup>2</sup>)
                                                            10
                                         .374-373
                                                                                 (<sup>3</sup>)
                                           .381-380
                                                             10
                                                                                 (<sup>4</sup>)
                                         .228
                                                    1
                                                                                 (<sup>5</sup>)
                                  .394-392
                                                   2
                                                                                 (<sup>6</sup>)
                                                   .55
                                                             3
                                                                                 <sup>7</sup>)
                                        .191
                                                   1
```

```
/ 710 )
                                                                                     .2
                                                                             (1310
                                                                .(1)
    718 )
                                                                                       .3
                                                                         .<sup>(2)</sup> ( 1318
              (1340/ 741)
                                                                                        .4
  ·(3)
    .(4)
                                                                                        .5
          ·(5)
                                                                                        .6
                 (1345/ 746 )
                                                                                         .1
                                                       .(6)
                                                                                          .2
                                                   ·(<sub>7</sub>)
       (1393/ 796)
                                                                                          .3
                 .(8)
                                                                                          (1)
                                             .258-257
                                                          2
                                                                                          (<sup>2</sup>)
                                                  .35
                                                           1
                                                                                          (<sup>3</sup>)
                                                            .16
                                                                       1
                                                                                         (<sup>4</sup>)
                                                            .241
                                                                      2
                                                                                         (<sup>5</sup>)
                                                  .118
                                                           1
                                                                                         (<sup>6</sup>)
                                                .191
                                                           3
                                                                                         (<sup>7</sup>)
                                                 .76
                                                          1
                                                                                          (<sup>8</sup>)
                                                  .31
                                                          1
```

.4 .(1) (1315/715) .1 .(2) (1359/ 761) .2 ·(3) (1369/ 771) .3 .(4) 2.3 (1273/ 672) - 1 . (₅) (¹) .119 1 (²) .163-162 9 239 3 $(^{3})$.36-35 10

134 2 1998

(1347/ 748)

.37

8

(⁴)

(⁵)

```
(1305/ 705)
                                                                         2
                         .(1)
      (1316/ 716)
                                                                        .1
      (1359/ 761)
                                                                        .2
                               ·(3)
                                                                       .3
                                                    (1377/ 779 )
 ·(4)
          (1391/ 794)
                                                                        .4
                     ·(5)
         (1297/ 697
                                                                        .5
                                        ·(<sub>6</sub>)
(1273/ 672 )
                               ·(7)
(8)
                               (1315/715)
                                                                        (<sup>1</sup>)
                                        .218
                                                2
                                                                        (<sup>2</sup>)
                           3
                                          99-98
                                                           1974
                                                                        (^3)
                                        .14 1
                                                                        (<sup>4</sup>)
                                           .115-113
                                                         2
                                                                        (<sup>5</sup>)
                                           .147
                                                         3
                                                                        (<sup>6</sup>)
                                           .177-176
                                                         2
                                                                        <sup>(7</sup>)
                                           .134 2
                                                                        (8)
                                  .164
                                           9
```

```
(1338/ 739 )
                           ·(1)
    .(2)11
                                                          (1361/ 763)
      (1320/ 720)
                                                   ·(3)
(1285/ 684)
                                                     (4)
                                 ·(5)
                                                          (1354/ 755)
              (1262/ 661 )
                                                                          .1
       ·(<sub>6</sub>)
                  (1273/ 672)
                                                                          .2
                                      (7)
                                                                          .3
                     .(8)
                                                     (1315/715)
                                                                            (<sup>1</sup>)
                                      .300-299 2
                                                                            (<sup>2</sup>)
                                    .252-246
                                                  7
                                                                            (^{3})
                                   .177 9
                                                                            (<sup>4</sup>)
                                                  .310
                                                           7
                                                                            (<sup>5</sup>)
                                             .233-232
                                                           10
                                                                           \binom{6}{}
                                             .368 1
                                                                           <sup>7</sup>)
                                            .124-123
                                                           2
                                                                            (8)
                                   .250-248 3
```

```
(1322/ 722)
                                                                      .4
·(1)
    (1323/ 723)
                                                                      .5
                 .(2)
             (1340/ 741)
                                                                      .6
                                              ·(3)
      .<sup>(4)</sup> ( 1340/ 741 )
          .<sup>(5)</sup> ( 1348/ 749)
          .<sup>(6)</sup> ( 1360/ 762 )
                                                                      .1
                                              ·(7)
   (1289/ 688)
                                                                      .2
                 .(8)
                (1330/ 731)
                                                                      .3
                                                   .(9)
                                                                        (<sup>1</sup>)
                               .150-148 2
                                                                        (<sup>2</sup>)
                                .131-130
                                                     2
                                                                        (^{3})
                             .377-376
                                             32
                                                                        (<sup>4</sup>)
                                                 6
                                                       3
                                                                       (<sup>5</sup>)
                                              .161
                                                     3
                                                                       \binom{6}{}
                                              .37
                                                       3
                                                                       <sup>(7</sup>)
                                             .37
                                                       3
                                                                        (8)
                                      .126
                                            1
                                                                        (<sup>9</sup>)
                                    .123
                                             3
```

(1312/ 712) .(1) (1359/ 761) .5 ·(2) 3.3 (1271/670) (3) (1293/ 693) .(4) ·(5) (¹) 3 .271 (²) .208 2 (³) 135 .668 2 1 (⁴) (1546/ 953) 79 1956 : (⁵) .77 3

. (1)

(₂)

(1390 / 793)

. (4)

/ 706) / 717) .⁽⁵⁾ (1306 .⁽⁷⁾(1321/ 721) .⁽⁶⁾ (1317

4.3

(1325/ 726)

.415-414 2 (1)

.181 1 (2)

186 1 (3)

.127 3 (4)

.46 14 (5)

.61 3 (⁶)

.119 2 (7)

```
·(1)
                                           (1256/ 654)
                            (1331/ 732 )
                                                          .(2)
                                                     (1266/ 665)
           (_{3})
                      (1338/ 739)
                                                            ·(4)
(1282/ 681 )
                         ·(5)
            (1362/ 764)
                                                       ·(<sub>6</sub>)
      (1285/ 684)
                                             · (<sub>7</sub>)
      (1347/ 748)
                (8)
                                                                     (<sup>1</sup>)
                                131. 14 7
                                                                    (<sup>2</sup>)
                                .173 9
                                                                    \binom{3}{1}
                (1347/ 748)
                313 3 .
                                                                     (<sup>4</sup>)
                                   .198-196 3
                                                                    (<sup>5</sup>)
                                     .356
                                                                    (<sup>6</sup>)
                                   .318 14
                                                                    <sup>7</sup>)
                                    .356
                                                     3
                                                                     (8)
                                 .427-426 3
```

```
(1369/ 771)
                                                                    ·(1)
(1396/ 799) (1348/ 749)
          .<sup>(2)</sup>( 1334/ 735 )
                                            (1283/ 682)
                                       (_{3})
                  (1326/727)
                                            (<sub>4</sub>)
.(<sub>5</sub>)
                                     (1331/732)
                                     (1348/ 749)
                               ·(6)
                                                                              5.3
                                                                               (<sup>1</sup>)
                                                 .596
                                                                               (<sup>2</sup>)
                                                     309-308
                                                                 191-189
                                                                               (<sup>4</sup>)
 1982
                                                                 1936
                                                                           2
                                                                               (<sup>5</sup>)
                                                                          253
                                                                               (<sup>6</sup>)
                                  . 255-252
                                                    8
```

```
(1245/ 643)
                                    .(1)
               ·(2)
                                                      (1287/ 686)
               (1324/725)
                                                         (3)
       (1331/ 732)
                                                       (4)
                                                      (1393/ 796)
·(5)
                                                                     6.3
                                       (1396/ 799)
                                                   ·(6)"
                                          .21-20
                                                                      (¹)
                                                     1
                                                                      (<sup>2</sup>)
                                 205-204
                                              1
                                                                      (<sup>3</sup>)
                                       150
                                               2
                                                                      (<sup>4</sup>)
                                       .28
                                              1
                                                                      (<sup>5</sup>)
                                       .284
                                             2
```

.33 1

(⁶)

```
(1269/ 668)
                                                                                  .1
    ·(1)
                    (1271/670)
                                                                                  .2
                                                                .(2)
(1308/ 708)
                                                                                  .3
                                                                (3)
                    (1331/732)
                                                                                  .4
                                  .(4)
                                                                                  .5
                               ·(5)
                 (1320/ 720)
                                                                                  .6
                               .(6)
                      (1301/ 701)
                                                                                  .7
                     ·(<sub>7</sub>)
                           ·(8)
                                                          (1331/732)
                                                                                    (<sup>1</sup>)
                                                .137-136
                                                                2
                                                                                    (<sup>2</sup>)
                                                                  2
                                                       .135
                                                                                    (<sup>3</sup>)
                                           .291-290
                                                        1
                                                                                    (<sup>4</sup>)
                                                .246
                                                         2
                                                                                    (<sup>5</sup>)
                                                .146
                                                        1
                                                                                    (<sup>6</sup>)
                                                .142
                                                         3
                                                                                    <sup>(7</sup>)
                                                        108
                                                                  3
                                                                                    (<sup>8</sup>)
                                                       .246
                                                                 2
```

(1283/ 682) .(1) 7.3 .1 .(2) .2 (3) .(4) .3 .(5) .4 : .(6) .5 (¹) (1546/ 953) 15 1983 .5 (²) 2 (³)
(⁴)
(⁵)
(⁶) . 6 2 2 .7 .21 2 .43 2

(₁**)** ·(2) (1331/ 732) 8.3 .1 .⁽³⁾ (1282/ 681) (1318/ 718) .2 **(**₄**)** .3 (1320/ 720) (1321 721) .4 ·(₆) (¹) 2 .5 (²) .433 1 (³) .327 1 (⁴) 235 2 116 2004 (⁵) .265 1 (⁶) 116 225 3

```
.5
                                                 .<sup>(1)</sup> ( 1338/ 739 )
                                                                                         .6
                    .<sup>(2)</sup> ( 1357/ 759 )
                 (3)
(1319/ 719 )
                                                                                       .1
          ·(4)
                                                                                       .2
           · (<sub>5</sub>)
                                                              (1325/ 726)
            .<sup>(6)</sup> ( 1329/ 730 )
                                                                                       .3
   .<sup>(7)</sup> ( 1332/ 733 )
                                                                                       .4
  .<sup>(8)</sup> ( 1339/ 740 )
                                                                                       .5
                                                             5
                                                                                          \binom{1}{}
                                                   .332
                                                                                          (<sup>2</sup>)
                                                              .54
                                                                       5
                                                                                          (^3)
                       144 3 1992
                                                                                          (<sup>4</sup>)
                                                302 3
                                                                                          (<sup>5</sup>)
                                               117
                                                         5
                                                                                          (<sup>6</sup>)
                                             309-308 3
                                                                                          <sup>7</sup>)
                                               .386 5
                                                                                          (<sup>8</sup>)
                                                  251
                                                         3
```

```
(1339/ 740)
                                                                           .6
                                                                        ·(1)
/ 764 )
                                                                         .7
                                                               .(2)( 1362
(1343/ 744)
                                                                            .1
.<sup>(3)</sup> ( 1348/ 749)
                                                                            .2
                         .(4) ( 1365/ 767 )
                (1346/ 747)
                                                                           .3
                                      (<sub>5</sub>)
                                      .<sup>(6)</sup>( 1338/ 739)
                                                                              (<sup>1</sup>)
                                          .304 3
                                                                               (<sup>2</sup>)
                       (774 - 704)
                     256 2
                                          1402
                      (1498/ 904)
                                                                              \binom{3}{1}
                                                              2
                                                             116
                                                                        2003
                                                                               (<sup>4</sup>)
                                           .132 3
                                                                              (<sup>5</sup>)
2
     1986
                                                                       185
                                                                              (<sup>6</sup>)
                                      .36
```

. (₁) .(2) ·(3) (1262/ 661) .1 ·(4) (1261/660) .2 ·(5) (1284/ 683) .3 .(6) (¹)
(²) .39 .300 3 $(^{3})$.43 (⁴) .304 5 (⁵) 1 200

.383

5

(⁶)

```
(1285/ 684)
                                                                           .4
              .(1)
                   (1287/ 686)
                                                                           .5
                           (2)
             (1299/ 699 )
                                                                           .6
                                                  .(3)
(1300/ 700)
                                                                           .1
                                             .(4)
            (1304/ 704)
                                                                           .2
                                (5)
(1315/ 715)
                                                                           .3
                                                            .(6)
                                                                            (<sup>1</sup>)
                  1
                                                       213
                                                                            (<sup>2</sup>)
                                           .686 1
                                                                            (<sup>3</sup>)
                                             .341 2
                                                                            (<sup>4</sup>)
                                          .151
                                                1
                                                                            (<sup>5</sup>)
                                                   .222
                                                            2
                                                                            (<sup>6</sup>)
                                                            2
                                                  .224
```

(1318/ 718) .4

(1318/ 718) .4

(1341/ 742) .5

(3) .6

(1348/ 749) .7

(1361/ 763) .8

9.3

.235 2 (¹)
.303-302 3 (²)
.442 1 (³)
.170-169 5 (⁴)
.341 2 (⁵)

.1 : (1267/ 666) .(1) : (1325/ 726) (2) :(1330/ 731) · (3) :(1331 732) .(4) :(1347/ 748) (1) 480 2 218 1954 2 (²) .19 $(^{3})$.344 2

.428

2

(⁴)

.⁽¹⁾ : (1346/ 747) .(2) .(3) -2 (1261/ 660) ·(4) .(₅)

.(6)

(¹) (²) (³) .136 1 .48 2 .261 132 4

(⁴)

209 8 1978

> (⁵) .209 8

.301 1

: (1287/ 686) ·(1) : (1295/ 695) .(2) : (1334/ 735) .(3) ·(4) - 3 : (1258/ 658) ·(5) (1) 112 1 1984 (²) .312 8 $(^{3})$.118 (⁴) .347 23 (⁵) .204

:(1300/ 700) .(1) .(2) (1283/ 682) : (1248/ 746) .(3) :(1351/ 752) .(4) 670) .1 :(1271 ·(5)

.42 (¹)
.355 2 (²)
.62 2 (³)
159 7 (⁴)

.206 7 294 5 (5)

```
: (1298/ 698 )
                                                                    .2
         .(1)
                                                                   .3
                                              : (1323/ 723 )
1258/ 657
                                                       .(2)
           : (1332/ 733 )
                                                                    .4
                . (3)
                                             .(4)
              .(<sub>5</sub>)
                                                                  -5
     : (1295/ 695 )
                                                                   -1
                                                                     (¹)
                                    .90 15
                                                                     (<sup>2</sup>)
                               .264-263 1
                                                                    (^{3})
                                  .210
                                                                    (<sup>4</sup>)
                                 .188
                                                                    (<sup>5</sup>)
```

148-147 1

.385

-384 1

.(1) : (1323/ 724) -2 .(2) :(1301/ 701) -3 .(3) : (1324/725) -4 ⁽⁴⁾(1311/ 711) : (1345/ 746) -5 (₅) (1285/ 684) -6 .(6) (¹) 332 2 (²) .120 14 (³) .345 2 (⁴) .565 2 (⁵) .448-447 3 (⁶)

.176 4

```
:( 1368/ 770 )
                                                                  -7
         .<sup>(1)</sup>
            : (1349/ 750 )
                                                                   -8
                     (2)
                                                                   - 6
          : (1261/660)
                            (3)
: (1278/ 677 )
                                                           ·(4)
                  : (1294/ 694 )
                                   ·(5)
                                                                    (¹)
                                          345 2
                                                                    (<sup>2</sup>)
                                    .211 2
                                                                    (^3)
                           447-444 4
                                           1989
                                                                    (<sup>4</sup>)
                                 .479-476
                                             4
                                                                    (<sup>5</sup>)
                                             .487
                                                     4
```

```
.<sup>(1)</sup> ( 1303/ 703 )
                                                        .<sup>(2)</sup> ( 1355/ 756 )
                                                                      .<sup>(3)</sup> ( 1348/ 749)
                                                                                          10.3
                                                                                           .1
.(4)
                                                                       :(1335/ 736)
         :(1361/ 763)
                                                                                   .<sub>(5)</sub>
      :(1313/ 713)
                                                                                             .1
                                          .(6)
                                                                                             (¹)
                                                   .65
                                                                                             (<sup>2</sup>)
                                              .290 2
                                                                                             (<sup>3</sup>)
                                            .170-169
                                                              5
                                                                                             (<sup>4</sup>)
                                                               2
                                                    .268
                                                                                             (<sup>5</sup>)
                                                               5
                                                   .195
                                                                                             (<sup>6</sup>)
                                                               .28
                                                                         5
```

```
.2
                                                       .(1)
: (1298/ 698 )
                                                                                      .3
                                                                    .(2)
                     (1334/ 735)
                                                                                     -1
                                                                          (3)
                      : (1348/ 749)
                                                                                     -2
                                 ·(4)
                                                      .(<sub>5</sub>)
                                                                                    .2
        :( 1296/ 696 )
                                                                                      .1
                                                        .(6)
           :( 1299/ 699 )
                                                                                      .2
                                                      .<sup>(7)</sup>
                                                                                      (<sup>1</sup>)
                                              .150
                                                    2
                                                                                      (<sup>2</sup>)
                                              .474-473
                                                             3
                                                                                      (^3)
                                                .261
                                                       5
                                                                                      (<sup>4</sup>)
                                             .384-383
                                                                                      (<sup>5</sup>)
                                             .160
                                                         2
                                                                                      (<sup>6</sup>)
                                              .264
                                                        5
                                                                                      <sup>(7</sup>)
                                            .27-26
                                                         8
```

```
: (1352/ 753)
                                                                                .3
                            ·(1)
            .(2) :
                                                                                  .4
      : (1228/ 626)
                                                                              .1
                                     ·(3)
                                                                              .2
                                           .(4)
                                                                              .3
                                                                   ·(5)
                (1290/ 689)
                                                                                 .1
                                                  ·(6)
               (1322/722)
                                                                                 .2
                               .(7)
                                                                                  (¹)
        .100
                                              140
                                                       2
               2
                                                                                  (<sup>2</sup>)
                                            .100
                                                      2
                                                                                  (<sup>3</sup>)
                                         .246-245 2
                                                                                 (<sup>4</sup>)
                                                    .243
                                                               2
                                                                                 (<sup>5</sup>)
                                                      244
                                                                2
                                                                                 (<sup>6</sup>)
                                                       .6
                                                                2
                                                                                  <sup>7</sup>)
                                                        . 7
                                                                2
```

```
1325/ 726)
                                                                      .3
           · (<sub>1</sub>)
                                                      (1344/ 745
         (1336/ 737)
                                                                       .4
                                                           . (<sub>2</sub>)"
                                                                       .3
                              . (1258/ 656)
                  (1263/662)
                                                                     .1
                                                 ·(3)
                                                                     .2
                                                  (1294/ 694 )
                                               ·(4)
                    (1296/ 696)
                                                                     .3
                                                            ·(5)
(1299/ 699)
                                                                     .4
  ·(<sub>6</sub>)
                                                                       (¹)
                                        . 8 2
                                                                       (<sup>2</sup>)
                                           . 8
                                                        2
                                                                       (^3)
                                 .263-262 2
                                                                      (<sup>4</sup>)
                                     .291-290 3
                                                                       (<sup>5</sup>)
                                        .370-369
                                                        3
                                                                       (<sup>6</sup>)
                                        105 2
      .190 8
```

```
.(1)
                                                                                                      .5
                                                                                                      .6
                                                               .(2)
                   (3)
                                                                                                      .7
            (1332/ 733)
                                                                                                      .8
                                                                                       .(4)
                                                                                                      .1
                          .(5)
                                                                                                      .2
                                                                  (6)
                                                                                                      .1
                                .<sup>(7)</sup> ( 1284/ 683 )
                                                                                                         (<sup>1</sup>)
(<sup>2</sup>)
(<sup>3</sup>)
(<sup>4</sup>)
                                                          .100
                                                                      2
                                                                      .141
                                                                                   2
                                                               .144-143
                                                                                   2
                                                                       .110
                                                                                    5
                                                                                                        (<sup>5</sup>)
                                                                                  2
                                                                      .119
                                                                                                        (<sup>6</sup>)
                                                                                   2
                                                                       .128
( 1320/
              720 )
               .503-501
                                  2
                                                                           :
```

.(1)

```
(1318/ 718)
                            (2)
             (1328/ 729)
                     .(3)
(1343/ 744)
                                             ·(4)
                        .(5)
                                       (1351/ 752)
             (1388/ 790)
                                             ·(6)
                                                      .2
                              (1388-1324/790-725)
                              ·(7)
                                                        (<sup>1</sup>)
                 .170-169 139
                                  10
                                                        (<sup>2</sup>)
                             .46
                                   5
```

.46 5 (2) .134-132 10 (3) .48 1 (4) .156 5 (5) 40-39 1 (6)

.108-107 2 (7)

```
-756)
.(1)
(1412-1355/ 815)
-1365/ 840-767)
(1436
.(2)
```

.

(1303/ 703) .1 .(3) .2 .(4) (1316/ 716)

(1326/ 727) .3

.111-110 2 (1)

.113 2 (2)

.327 5 (3)

. 7 2 (4)

.178 2 (5)

```
(1332/ 733)
                                                                     .4
                                           .(1)
                   (1361/ 763)
                                                                     .5
             .(2)
             (1374/ 776)
                                                         (3)
·(4)
                                            (1349/ 750)
662 ) (
                                                                     .1
                                                         (1263/
                                                         · (<sub>5</sub>)
  ·(6)
                   (
                            )
                                                                     .2
                                                                     .3
                    ·(<sub>7</sub>)
                                                 (1299/ 699 )
                   (1320/ 720)
                                                                     .4
                                                          .(8)
                                                                        (¹)
                                  .242-241 2
                                                                        (<sup>2</sup>)
                                   . 61-59 5
                                                                        (^3)
                                            . 19-18
                                                         5
                                                                        (<sup>4</sup>)
                                            . 25
                                                        5
                                                                        (<sup>5</sup>)
                                        .14-13 2
                                                                       \binom{6}{}
                                            19
                                                         2
                                                                       (<sup>7</sup>)
                                                         2
                                            .93-92
                                                                        (8)
                                        .38 1
```

```
(1372/ 774)
                                                                        .5
                                                       ·(1)
                                    .(2)
    ·(3)
                   (1319/ 719)
                                                                        .1
                        .(4)
                                                                        .2
                                                                        .3
                            · (<sub>5</sub>)
  .(6)
                     (1308/ 708)
                                                                        .4
                                                                        .5
            · (<sub>7</sub>)
                                                    (1311/711)
     (1320/ 720)
                                                                        .6
                                    (8)
                                                                            (¹)
                                                   .204
                                                            5
                                                                            (<sup>2</sup>)
                              92 2
                                                            36
                                                                    1
                                 90
                                                                            2
                                        5
                                                                   396
                                                                            (^3)
                                           .177 5
                                                                            (<sup>4</sup>)
                                                   .100
                                                            2
                                                                            (<sup>5</sup>)
                                                   .178
                                                          2
                                                                            (<sup>6</sup>)
                                               .48-47
                                                           5
                                                                            (<sup>7</sup>)
                                                   2
                                        .44-43
                                                                            (8)
                                                         2
                                                  .113
```

(1309/ 709) - .7

(1312/ 712) .8

(1319/ 719) .9

(3)

.10

.141 2 (¹) .44-43 2 (²) .103 2 (³)

.182 2 (4)

·

1.4

:

. (1)

. (₂)

198 4 (¹)

: 31 1981 223 11 (²)

1992

. : 22

```
<sup>(1)</sup>( 1298/ 698 )
/ 696 )
                                                                                              <sup>(2)</sup> (1296
<sup>(3)</sup> (1301 / 701 )
    . <sup>(4)</sup> ( 1362 / 764 )
     (_{5})
                                               ·(<sub>6</sub>)
                                                                           ·(<sub>7</sub>)
                                                                                         .(8)
                                                                              . (<sub>9</sub>)
                                                                                                        (<sup>1</sup>)
                                                                 . 306 2
                                                                                                        (<sup>2</sup>)
                                                                  . 306 2
                           (1366/ 768)
            231 4 1920
                                                                                                        (<sup>4</sup>)
                                                              . 38 3
                                                                                                        (<sup>5</sup>)
                                                       .223 11
                                                                                                        (<sup>6</sup>)
                                                            . 173
                                                                                                        (<sup>7</sup>)
                                                            .191 2
                                                                                                        (8)
                                                             .192
                                                                                  2
                                                                                                        (<sup>9</sup>)
                                                              .173
```

: **2.4**

:

: :

: .1

:

. (1)

. (2)

.

(1303/ 703)

· (4)

: .**2**

· (5)

" :

.130-126

.151 2 (2)

.44 9 35 1 (3)

.106-103 (4)

. 464 5 (5)

.(1)"

.(2)"

.(3)11

.(4)

.(5)

.(6)

.201

.106-105 11 94 90

(¹) (²) (³) (⁴) (⁵) . 298

(⁶)

118-117 :

```
(1291/ 690 )
                     .(1)
                            (1386/ 788)
)
                            .(2)
                                                              (1367/ 769
                     (1359/ 761)
                    (3)
                                                            1318/ 718
                                                                            .3
                             (4)
                                                          (1264/663)
                                 (5)
•
                                                          (1281/ 680 )
                                                             .(6)
                                       .<sup>(7)</sup> 1270/ 669
                                                                            (<sup>1</sup>)
                                   .243-242
                                                                            (<sup>2</sup>)
                                                .287 1
                                                                            (^3)
                                                .47-46 1
                                                                            (<sup>4</sup>)
                                        .231
                                                                            (<sup>5</sup>)
            .142
                                         237
                   1
                                                                            (<sup>6</sup>)
                                       143-142 1
                                                                            <sup>(7</sup>)
       .143 1
                                    237-235
```

```
(1392/ 795)
                                        (1388 790)
                  ·(1)
                                             (1290/ 659)
               .<sup>(2)</sup> ( 1297/ 697 )
                                                        (3)
                                           (4)"
(<sub>5</sub>)
                              .<sup>(6)</sup> ( 1374/ 776 )
                                          .<sup>(7)</sup> ( 1385/ 787 )
     (1394/ 797 )
                                                                          (¹)
      978 2
                                       463 1
                                                                          (<sup>2</sup>)
      .206
                                        392
                                                                          (^3)
                                .464-463 5
                                                                          (<sup>4</sup>)
                                             .108
                                                                         (<sup>5</sup>)
                                                    108
                                                                         \binom{6}{}
     .236-235 1
                                        44 4
                                                                          <sup>(7</sup>)
                                          . 236 1
```

·(1)

.(2)

: .5

.(3)

.6

.(4)

. (₅)

.(6)

.⁽⁷⁾ (778)

(¹)
(²) . 282-281 1

.118-114 111-110 88 2

 $(^{3})$.108

(⁴) 108 106

(⁵) 1983 1

113

(⁶) .205

(⁷) .121 391 1 1

.⁽¹⁾ (745) .⁽²⁾ (782) .(3) . (₄) ။ .(5)" .1 .(7) .(6) .(8) (¹) (²) (³) (⁴) (⁵) .19 1 121 4 .87 2 .121 1 .41 .108 4 (⁶) .465 2 ⁷) 47 75 1953 (8) .393

```
·(1)
    (1282/ 681 )
                                                                      ·(2)
)
                                   (3)
                                                                      ( 1318/
                                                                                       718
                         .(4)
                                                     (1351/ 752)
                   .(5)
                                               (1354/ 755
                                                                                         .2
                       ·(<sub>6</sub>)
                                                                                          .3
                                                           ·(<sub>7</sub>)
           .<sup>(8)</sup> ( 1350/ 751 )
                                                                                        .4
                     .(9)
                                                                                          (<sup>1</sup>)
       .393
                                                  465
                                                          5
                                                                                          (<sup>2</sup>)
                                               .190
                                                          4
                                                                                          (<sup>3</sup>)
                                                   95
                                                           2
                                                                                          (<sup>4</sup>)
                                                 .140
                                                                                          (<sup>5</sup>)
                                                  .57 3
                                                                                          (<sup>6</sup>)
                                                  .64
                                                                                          (<sup>7</sup>)
    .394
                                               232
                                                                                          (8)
                                                      .136 2
                                                                                          (<sup>9</sup>)
                           .181
                                                            110
```

.(1)

: .5 ·(2) .(3) ·(4) .6 (1374/ 776) ·(5)

(¹) .112

.23 (³) .48 (⁴) .427 5

(⁵) 851) -751

780 1977

454 .226

(⁶) 11 ⁷) .119 5

```
(1348/ 749)
                                                                           ·(1)
                                  .(2)
               .(3)
                  ·(<sub>4</sub>)
                             ·(5)
               ·(<sub>6</sub>)
                       ·(<sub>7</sub>)
                                                        (1271/ 670 )
  .(8)
(1261/ 660)
                                                           .(<sub>9</sub>)
                                                                                                   (¹)
                                                        .93-92 2
                                                                                                   (<sup>2</sup>)
                                                               .114
                                                                                                   (<sup>3</sup>)
                                                      .89 11
                                                                                                   (<sup>4</sup>)
                                                  .49-48 2
                                                                                                   (<sup>5</sup>)
                                                       .388-384
                                                                      1
                                                                                                   (<sup>6</sup>)
                                                    .268-267
                                                                                                   (<sup>7</sup>)
                                                        .428 2
                                                                                                   (8)
                                                             .113
                                                                                                   (<sup>9</sup>)
                                             .183
                                                    7
```

```
(1336/ 737)
                                                                   .(1)
                    (1251/ 749)
                                                                                 .(2)
(1258/ 757)
                                                                    ·(3)
                                   .(4)
     703 )
                                                                                  <sup>(5)</sup> ( 1303
      (1342/ 743)
                                                                        ·(6)
                 · (7)
                                                                               ·(8)
                                                                                                 (<sup>1</sup>)
                                                      .150
                                                                 3
                                                                                                 (<sup>2</sup>)
                                                              .61
                                                                       2
                                                                                                 (<sup>3</sup>)
                                                       .94
                                                                 4
                                                                                                 (<sup>4</sup>)
                                                                .114
                                                                                                 (<sup>5</sup>)
                                                       .80
                                                                 5
                                                                                                 (<sup>6</sup>)
                                                      .78
                                                               3
     .69
                                                                                                 <sup>(7</sup>)
                                                  .398
                                                                                                 (<sup>8</sup>)
 1958 4
               33
                                                                                592-588
                                                                        . 49
```

(₁) . :() .1 · (3) .(4) (1354/ 755) ·(5) (1291/ 690) (1287/ 677) .(6) (¹) (²) .395-393 $(^{3})$.239 (⁴) .128 2 (⁵) .103 3 (⁶) .434 3

.2 .(₁) .(2) · (3) .(4)

.(5) ·(6) · (11) · (10) . (₉) · (8) · (7)

.1

.(12)

(¹) 2 220 (²) 124 (³) (⁴) (⁵) (⁶) (⁷) 247 126 .135 2 .120-119 14

54-53 3 (8) .116-115 2

(⁹) 2 .153

(10) .144 (11) .58-57 4

(¹²) 4 .200

```
.<sup>(1)</sup> ( 1268/ 667 )
                       <sup>(2)</sup> ( 1291/ 690 )
                                            .<sup>(3)</sup> ( 1294/ 694 )
                                                                                       .2
                    ·(4)
                 ·(5)
                                                                    (1273/ 672 )
                               (1322/ 722)
                                                                               ·(6)
(<sub>7</sub>)
                                                                                       .3
                                                                 (8)
                                                                                         (¹)
                                                 .53-52 2
                                                                                         (<sup>2</sup>)
                                                  .216
                                                                                         (<sup>3</sup>)
                                                   .398
                                                             1
                                                                                        (<sup>4</sup>)
                                        .198-197 4
                                                                                        (<sup>5</sup>)
                                             .171-170 1
                                                                                         (<sup>6</sup>)
                                                           .406
                                                                     2
                                                                                        (<sup>7</sup>)
                                                .200
                                                           4
                                                                                        (<sup>8</sup>)
1955
                                                                                 16
1 1986
                                                                                 71
```

: .4 () () (₁) .(2) .(4) ·(₆) .(5) (3) 3.4 ·(₇) .(8) (¹) . 253-252 348-347 1 (²) .470-469 1 (³) .77 8 (⁴) .105 2 (⁵) .300 12 (⁶) (1633/ 1346) 57 1960 ⁽⁷) .390 (8) .391 232-220

(₁)။

.(2)

(¹) .258 250

-266 1 112-111 .268 (₁) **u**

.(2)

·(3)

(₄**)**

·(5)

. 227 1

(1) (2) (3) (4) (5) .228 1

.249

.215 203-202 1

.247 1 (1333/ 734)

(1335/ 756)

(2)

. (3)

- - 1295/ 695

.8-6 2 368-367 2 (¹)

.115 110 (2)

(1200/597) $(^3)$

. : 142

1965

.(1)

(:)

(

.⁽²⁾
(1371/ 773)

·(3)

(4)

(5)

.241 (1)

.124-105 1 (2)

.260-259 2 (3)

.39-38 2 (4)

.36 2 (5)

.1

.2

.3

.4

.5

.(1)

(¹)

: (1254/ 652)

337 1977

. :

·

. (1)

(1318/ 718) : .1

.⁽²⁾ () (1320/ 720) .2

. (4)

(901/ 289) .(s)

9 1 (1)

.96 .321 2 (²)

.442 2 (³)

71 (4)

.296 1 (5)

: **4.4** () (19 18)

. (18)

(18)

(•)					
			10				.1
			160				.2
			300				.3
			200	(:)	.4
			40				.5

(19)

.312 1 (1)

(19)

(₁)

:)	()	
	60	.1
	30	.2
	20	.3
	15	.4
	10	.5
	40	.6
	20	.7
	7.5	.8
	60	.9
	10	.10
		.11
	20	.12
	10	.13
	7.5	.14
		.15
	15	.16
	20	.17
	10	.18
	10	.19

.124-105 1 (1)

.(739) (20)

(₁**)**

	7	1
30	-	2
		3
	20	4

.(2)

(21)

(¹)
(²) .21 14

.413 411

(21)

(₁**)**

70-60	.1
40	.2
45	.3
13	.4
10	.5
26	.6
60	.7

5.4

.(2)

(1335/ 736)

·(3)

.159 - 158 6

(¹) 205

.299

(³) .601 6

.(1)
.(2)
.(1361/ 763)
.(3)
.(4)
.(5)
.(5)

_ _ _(6)

(7)

.61-60 23 (¹)

 $242-241 2 (^2)$

.73-72 3 $(^3)$

.345 (4)

130 (5)

.113 (6)

1 (1441/845) $(^{7})$

1970

. : 1046-1040

.(1) .(2) .(3) .(): .1 .(... .2):): .(4)((₅) .1 .2 (¹) 389 1986 2 (²) .205 (³) (⁴) (⁵) .381-380 .354-351 60-51

· · ·

: : .1

u .

·(1)" : .2

":

. ⁽²⁾"

· (3)

..260 (1)

: .1 .(1) .2 .(2) .3 .(3) .4 : .(4) .5 ·(5) (1261/ 660) .(6) : (¹) .56-55 (²) .363-362 (³) .105 (⁴) .375-374 3 (⁵) .568-565 1 (⁶) .177-176 2

·(1)

.(2)

·(3)

·(4)

.(5)

·(6)

·(₇)

313-312 1

(¹)
(²) .325-324 1

 $(^{3})$.228-227 1

.279 1

(⁴) (⁵) (⁶) (⁷) .34 2

.39 2 1

. (₁)

(1231/ 629) .(2) (1469/ 874) .(3)

.(4)

·(5)

.(6)

.110

.387-385 2

.113 6

(1) (2) (3) (4) (5) (6) .432

.78

.113 1 .(1)

. (c) .

1320/ 720 .⁽³⁾

(4) ·

.⁽⁵⁾
(1348/ 749)

(1540) (47) (6)

(1278/ 677)

.406 42 (1)

.44 (2)

.220 (3)

.325-324 1 (4)

.223-222 1 (5)

.205 1 (6)

.(1)

(1291/ 690)

.(2)

•

1291/ 691

(1350/ 751) (1335/ 736) .(3)

.⁽⁵⁾(1490/ 833)

.397 8 1470 4 (¹)

.374 3 144-143 1 (2)

.75-74 14 (³)

266 1 (4)

.33-32 11 (5)

· (1) · (2)

· (3) :

. (4)

.(5) (1361/ 763)

(6) (1235/ 633)

. (7)

.409-407 (1)

.290-289 1 (2)

.223-222 1 (3)

.141 (4)

.296-295 14 (5)

.121 13 (6)

.113 (7)

.(2) $(_{1})$ (3) (1396/ 799) .(4) (1255/ 653) (₅) .(6) .1 ·(7))(¹) .273 1 (²) .222 216 84 (³) .273 1 (⁴) 198 194 2 345 1 .198-197 188 184 169-168 2 (⁵) .53-46 7 (⁶) .377 ⁽⁷) .322 14

.(1) (1320/720 (1325/ 726) .(2) .2 ·(3) ·(4) (1361/ 763) .3 : ·(5) .4 .(6) (¹) .38 1 (²) .56-55 4 (³) 14 .327 (⁴) .296-295 14 (⁵) .322 14 (⁶) .189

: .5

. (1)

(4) (1552/ 650)

.⁽⁴⁾ (1552/ 650) (1411/ 814)

(5)

.(6) (1433/ 837)

· (₇)

.377-374 14 (1)

.310 1 (2)

.200 1 (3)

.207-206 1 (4)

.176 1 (5)

.395 1 (6)

.96 1 399 1 (7)

·(1)

.(2)

. (₄)။

(1332/ 733)

. (₅)။

1 .113 110

(¹)
(²) .248

.228

.228-227

(³)
(⁴)
(⁵) .197-195

· (₁)

п

. (₂)µ

. (3)

(1257/ 655)

(1226/ 623)

. (5) .

.215 212-210 (¹)
.220 (²)
.223 (³)

.155 1 (4)

.201-200 1 149 (5)

.(1)

.(2)"

(¹)
(²) .228-227 1

.114-113 1

(1382-1260/ 784-658)

```
688 )
                                 (1995)(1289/
(1232/ 630 )
                                       (1983)
(1976) (1328/ 729 )
(1429 833 )
                                       (1933)
(1979)(1201/ 598)
           1
(1988)(1563/971)
    (1984)(1485/890)
               ( . )( 1479/ 884 )
     (1991)(1679/1089)
```

```
( . )( 990/ 380 )

(1984) ( 1469 874 )

( 1982 )( 1469 874 )

. ( 1961 )( 1327/ 728 )

( 1981 )( 1243/ 641 )
```

```
(994/ 384
                                      ( .)
( .) ( 1332/ 733 )
       (1976)(1377/779)
(1966)(1448/ 852)
(1986)(1448/ 852)
(2002)(1448/ 852)
(2004)(1448/ 852)
                            1
        (1971)(1405 808)
```

```
(1968)(1282/681)
( 1402)(1372/ 774)
                      ( . )(1392/ 795 )
        (1947)(1325/726)
                   ( . )( 869/ 256 )
(1957)(844/230)
       .3
(1576/ 984 )
                                     (1953)
1 1
(1576/ 984 )
                                     (1956)
(1576/ 984 )
                                     (1983)
(1546/ 953 )
                                     (1983)
```

```
(1546/ 953 )
                                        (1980)
(1546/ 953 )
                                       ( 1982)
(1546/ 953 )
                                        (1956)
            (1998)(1070/463)
      (1986)(1292/ 692)
       ( . )( 1233/ 631 )
                                    1
       ( . )( 1233/ 631 )
(1995)(1175/571)
      (1986)(1348/ 749)
                                   1
( 1447/
        851 )
                                        (1977)
-751)
                                          780
```

```
(1447/ 851)
                                       (1978)
(1971)(1469/874)
     (1987)(1372/ 774)
                             14
(1966)(1030/421)
 )
                             ( . )( 1310/ 710
 )
                            (1988)(1310/710
                                 15
     (1977)(1298/ 697)
                         5
(1331/732)
                                       (1989)
(1331/732)
                                       ( .)
```

```
" (2001)
            12 -10
(1266/ 665 )
                                           ( 1972)
                                        (1980)
                     (1076 -1105 / 571 -299)
                                      " (1989)
                                   (1977)
                                   " (1989)
                              /
     (1965)(1200/ 597)
                                  " (1989)
         3
```

```
(1980)(869 256)
                                  (1960)
         1
     (
         784-658)
                                       (2002)
                                      (1953)
                                     (1982)
                                     (1986)
                                      (1984)
                               8
                                     7
                              (1933)
                                         .144
                                    (1945)
          1173 -1165
                                    .1
                               (1981)
                        (1381-1174/783-570)
                                     ( .)
                     (1517-1250/923-648)
(1753/ 1067 )
                                          (1992)
```

(2001) (1997) (1382-1260 / 784-658) (1992) " (1989) 3 33 (1985) .4 (2004)(1516 -622 / 923 -1) 1 (1986) (1985)(1992) (1979) (.) (1986) (1981)

```
( 1989)
                      1
(1347/ 748)
                                         1347)
                                      (
(1347/ 748 )
                                         ( .)
                              4
(1347/
        748 )
                                         (1998)
(1347/ 748)
                                       ( 1985)
                         23
(1347/ 748)
                                         ( .)
( 1347/
        748 )
                                       ( 1982)
         2
(1347/ 748)
                                         ( .)
(1347/ 748 )
                                         ( .)
                              (1999)
-648)
                                     ( .)
                             (1518 - 1258 /
                                           923
```

```
(1982)
              (1995)(1391/794)
              (1981)(1223/620)
( 1922 )( 1143/
               538 )
                                  ( .)
                             (2001)
                            " (1989)
        2
(1256/ 654 )
                                        (1951)
    (1993)(1369/ 771)
     ( . )( 1369/ 771 )
(1496/
       902 )
                                        (1982)
```

```
(1496/ 902 )
                                           (2003)
( .)(1496/ 902 )
                   ( . )( 1505/ 911 )
                                  (1988)
                                .1
                              (1984)
                              (1985)
                                   (1983)
                                 (1986)
      (1974)(1362/ 764)
                            (1989)
      (2002)(970/
                  360 )
10
```

```
(1983)
                              (1682)
       (1983)(1558/966)
                                   ( .)
                              (1986)
                               (1980)
                              (1988)
                                    .128
( 1992 )( 1660/ 1071 )
  923 -648)
                               (1995)
                                      (1517 -1250
                                       (2004)
                                  (1981)
                                  (1983)
```

```
(1979)
                                  (1982)
-132)
                                  (1983)
                                 (1345-746 / 463
                                   (1988)
                                     (1971)
                                      (1984)
(1521/ 928 )
                                             (1983)
                                   (2000)
                           (1988)
                                 " (1989)
               1
                                        (1981)
                 (1989)(1451 855)
                                        4
```

```
589)
                             (1988)
                            (1259-1193/657
         (1985)(1111/505)
          ( . )( 1111/ 505 )
                                        5
                             (1982)
           ( .)(1331/832 )
       ( . )( 1414/ 817 )
                                       4
                 ( . )( 1012/ 403 )
         ( . )( 1283/ 682 )
                ( . )( 1418/ 821 )
           (1985)(1560/968)
                                  3
          (1974)(1362/764)
     (1980)(1362/ 764)
```

```
(1958)
                            (1991)
                         (1985)
                      (2002)
           (1250-1173/669-648)
                        (1983)
                  884
                     ( 1981)
                       (1995)
                        (1988)
                        (1992)
(1970)(1441/845)
                            4
                    .2
( . )( 1441/
            845
```

```
(1981)

2 (1986)
(1990)(1520/ 927 )

( )(1332/ 733 )

(1980)

(1920)(1366 768 )

( )(1228/ 626 )

)

4 (1954)(1325/ 726
```